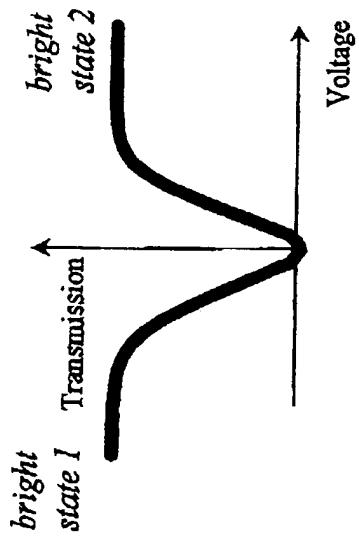
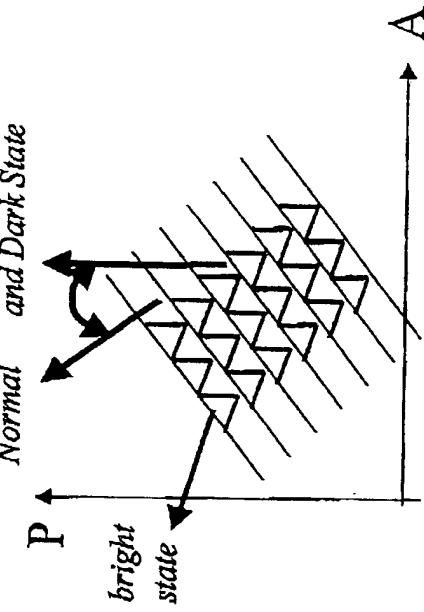
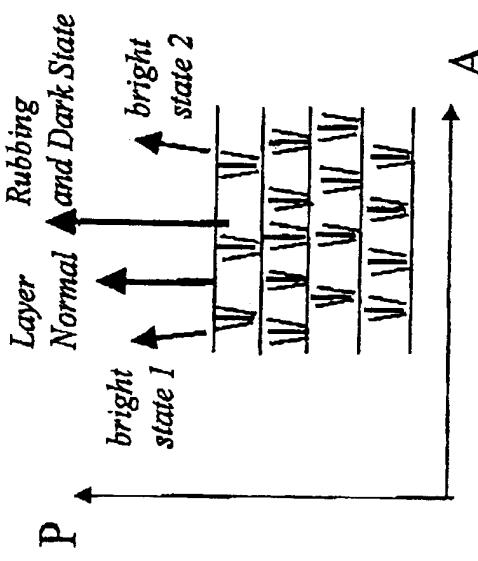
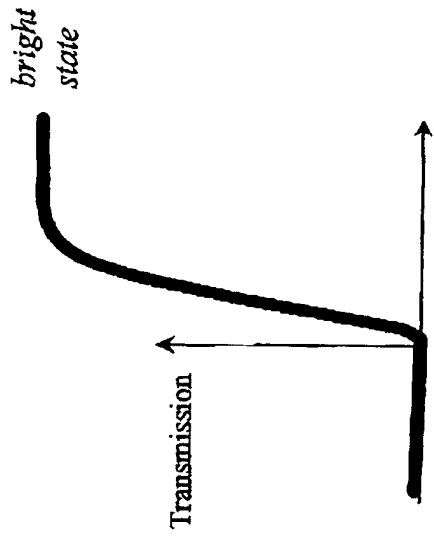


Sony-Mode*



Present Invention



[*] Nitto, K.

FIG. 1

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Sony-Mode*

Present Invention

1) Phase sequence:

I N A C

2) Maximum transmission:

$$I=I_0 * \sin^2(2\theta)$$

3) Symmetric to polarity change

4) layer angle = tilt angle

5) monostable position parallel to layer normal (projection on glass plate)

6) angle between N-phase director and smectic layer normal is essentially Zero.

[*] Nito, K.,

Phase sequence:

I N C

Maximum transmission:

$$I=I_0 * \sin^2(4\theta)$$

Asymmetric to polarity change

independent on tilt angle

monostable position at ca. θ to layer normal (projection on glass plate)

6) angle between N-phase director and smectic layer normal is approximately θ .

FIG. 2

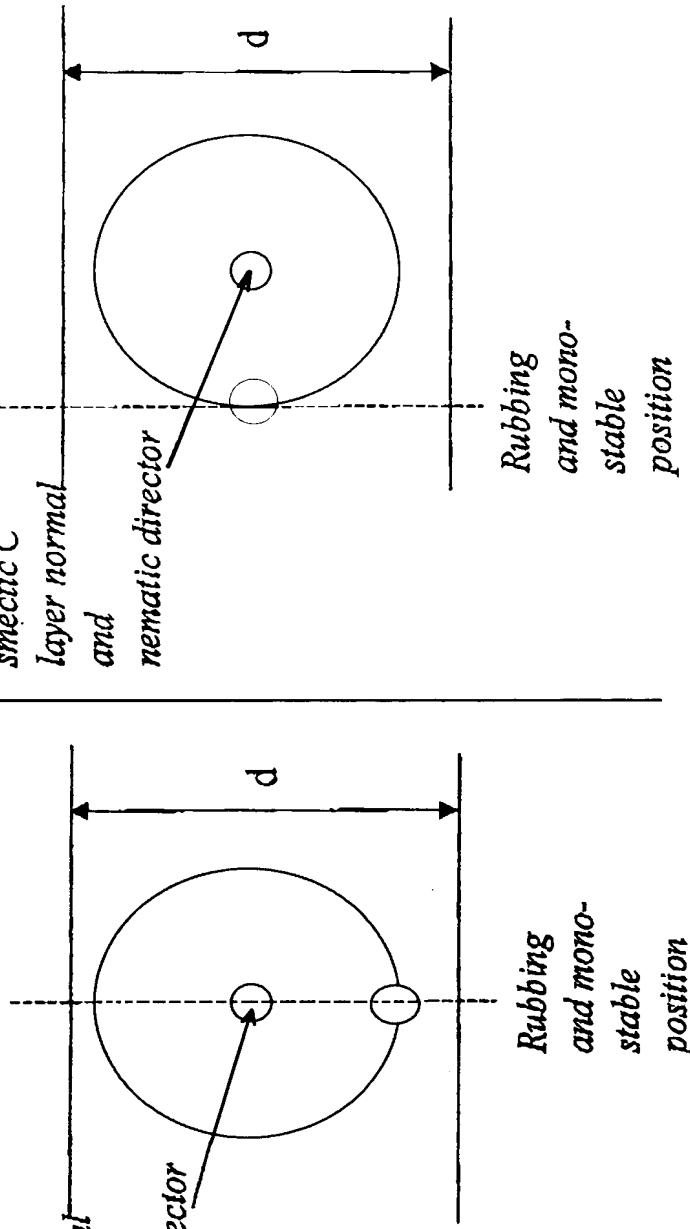




Director Configuration

Sony-Mode*

smectic C
layer normal
and
nematic director



Present Invention

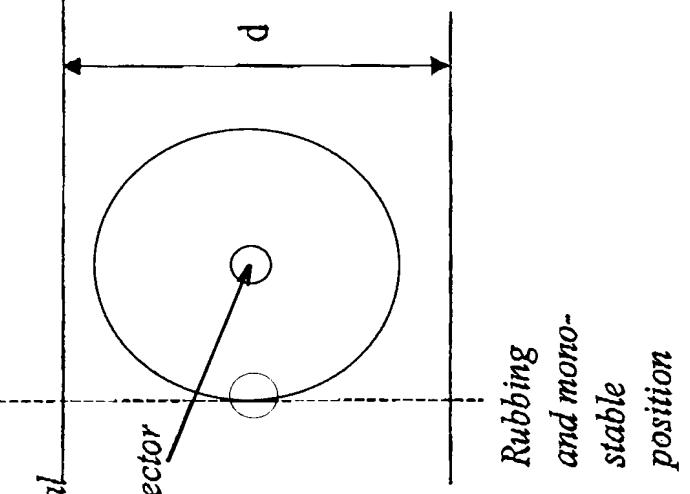


FIG. 3

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Response to Pulses

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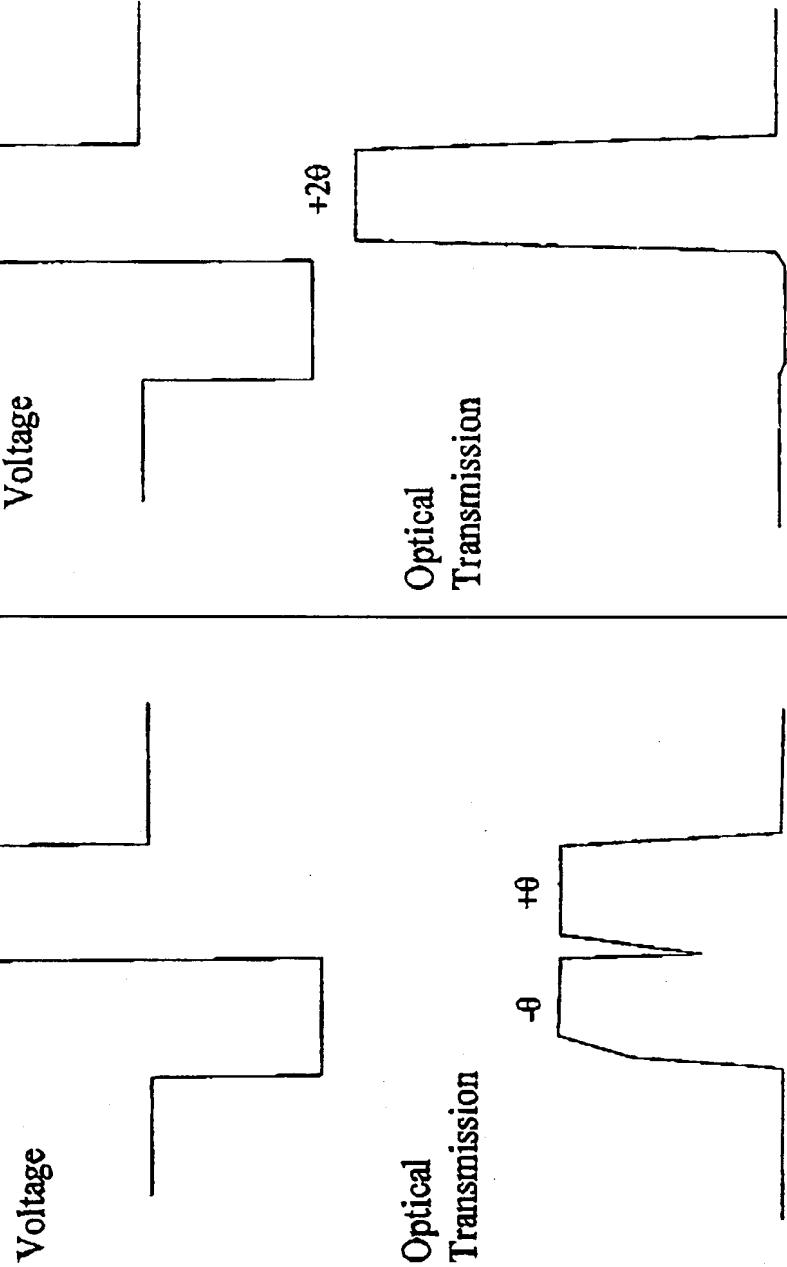


FIG. 4